No. 9, Original
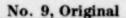
# In the Supreme Court of the United States

OCTOBER TERM, 1997

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UNITED STATES OF AMERICA, PLAINTIFF

*v.*

STATE OF LOUISIANA, ET AL.
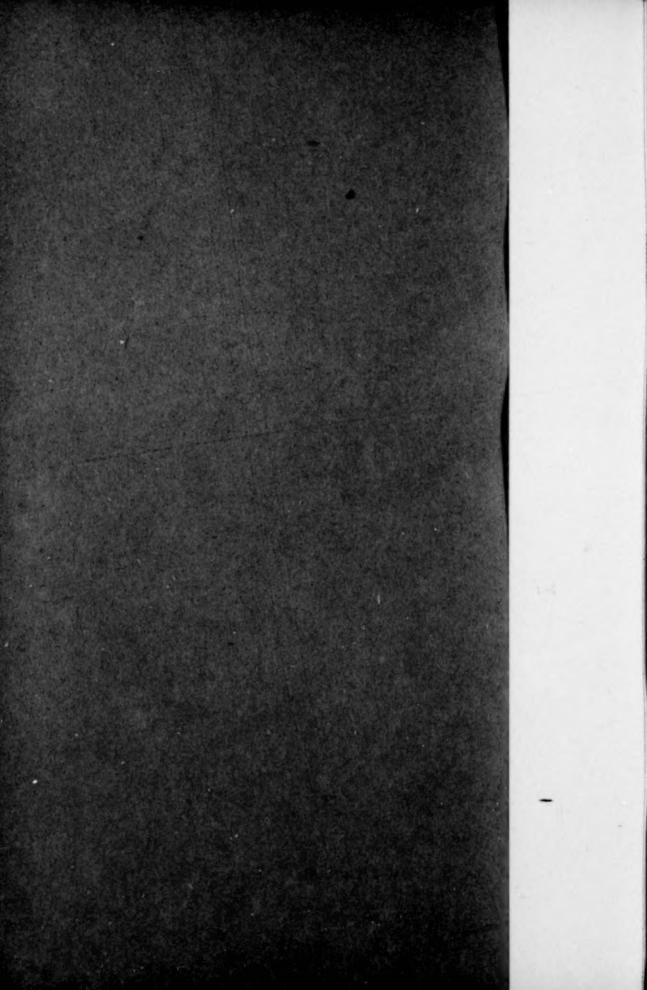
(TEXAS BOUNDARY CASE)

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*ON BILL OF COMPLAINT*

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## JOINT MOTION FOR ENTRY OF A SUPPLEMENTAL DECREE, MEMORANDUM IN SUPPORT OF JOINT MOTION FOR A SUPPLEMENTAL DECREE, AND PROPOSED SUPPLEMENTAL DECREE

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*Counsel of Record for*
  *the United States*

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*ON BILL OF COMPLAINT*

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## JOINT MOTION FOR ENTRY OF A SUPPLEMENTAL DECREE

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The United States of America and the State of Texas jointly move that this Court enter a supplemental decree in the form and manner of the attached proposed decree. The basis for this motion is explained in the memorandum that follows.

Respectfully submitted.

DAN MORALES  
  *Attorney General*  
  *State of Texas*

SETH P. WAXMAN  
  *Solicitor General*

SEPTEMBER 1998

# In the Supreme Court of the United States

No. 9, Original

UNITED STATES OF AMERICA, PLAINTIFF

*v.*

STATE OF LOUISIANA, ET AL.

(TEXAS BOUNDARY CASE)

*ON BILL OF COMPLAINT*

## MEMORANDUM IN SUPPORT OF JOINT MOTION FOR A SUPPLEMENTAL DECREE

This joint motion arises from past litigation between the United States and the State of Texas to resolve the seaward boundary of that State for purposes of the Submerged Lands Act, 43 U.S.C. 1301 *et seq.* The Submerged Lands Act provides that the coastal States shall be entitled to a prescribed measure of submerged lands extending seaward from their respective coastlines. As a result of the previous litigation, the Court entered a decree describing tne federal-state boundary as an ambulatory line that may move in response to changes in the coastline. *United States* v. *Louisiana (Texas Boundary*

*Case*) 394 U.S. 836 (1969). The parties ask this Court to enter a supplemental decree immobilizing the federal-state boundary on the basis of fixed coordinates.

1. Congress enacted the Submerged Lands Act in response to a series of decisions of this Court holding that the States have no entitlement under the Equal Footing Doctrine to submerged lands seaward of their coastlines. *United States* v. *Texas*, 339 U.S. 707 (1950); *United States* v. *Louisiana*, 339 U.S. 699 (1950); *United States* v. *California*, 332 U.S. 19 (1947). Following the enactment of the Submerged Lands Act, the United States filed suit against Louisiana to determine the extent of that State's statutory entitlement to submerged lands in the Gulf of Mexico. See *United States* v. *Louisiana*, 350 U.S. 990 (1956). The United States and the States of Alabama, Florida, Mississippi, and Texas later expanded the litigation to encompass the States' Submerged Lands Act rights along the entire Gulf Coast. See *United States* v. *Louisiana*, 354 U.S. 515 (1957) (per curiam).

The United States moved for judgment on the pleadings, and the Court issued two opinions, ruling that the Submerged Lands Act grants Alabama, Mississippi, and Louisiana submerged lands within three geographic miles of their coastlines, *United States* v. *Louisiana*, 363 U.S. 1, 83 (1960), that the Act grants Texas submerged lands within three marine leagues of its coastline, *id.* at 84, and that the Act grants Florida submerged lands within three marine leagues of its coastline along the Gulf of Mexico, *United States* v. *Florida*, 363 U.S. 121 (1960). The Court entered a final decree to that effect. *United States* v. *Louisiana*, 364 U.S. 502 (1960).

Thereafter, the United States sought to reopen the case to determine, among other things, specific issues regarding the location of Texas's seaward boundary. See *United States* v. *Louisiana*, 386 U.S. 979 (1967); see also *United States* v. *Louisiana*, 386 U.S. 1016 (1967). This Court ultimately ruled that Texas's three marine league grant should be measured from the "historical boundary" of Texas as it existed in 1845, when Texas was admitted to the Union, and does not include subsequent artificial additions, such as jetties. *United States* v. *Louisiana*, 389 U.S. 155, 156 (1967). The Court later determined, however, that Section 2(b) of the Submerged Lands Act, 43 U.S.C. 1301(b), limits the maximum extent of Texas's grant to three marine leagues seaward from the current coastline. *United States* v. *Louisiana* (*Texas Boundary Case*), 394 U.S. 1 (1969).

Under the Court's rulings, Texas is entitled to submerged lands within three marine leagues of its 1845 coastline, except where the coastline has receded from its 1845 location. In the latter places, Texas is entitled to the submerged lands within three marine leagues of the current ambulatory coastline. The United States and Texas jointly submitted, and this Court approved on May 5, 1969, a supplemental decree describing the 1845 coastline and defining an ambulatory federal-state boundary on the basis of those principles. *Texas Boundary Case*, 394 U.S. 836.

2. As Texas has noted, an ambulatory federal-state boundary can present practical difficulties for a State's offshore mineral leasing program because erosion of the coastline may affect the State's title to the leased territory near the federal-state boundary. See, *e.g.*, *Texas Boundary Case*, 394 U.S. at 5-6. The Court acknowledged that possibility, but pointed out

that the potential problems arise from the terms of
the Submerged Lands Act and that "Texas must
look to Congress for relief." *Id.* at 6. Congress has
responded to the problem by amending the Submerged
Lands Act to provide:

> Any boundary between a State and the United
> States under this Act which has been or is here-
> after fixed by coordinates under a final decree of
> the United States Supreme Court shall remain
> immobilized at the coordinates provided under
> such decree and shall not be ambulatory.

Outer Continental Shelf Lands Act Amendments of
1985, Pub. L. No. 99-272, Tit. VIII, § 8005, 100 Stat.
151, codified at 43 U.S.C. 1301(b). That legislation -
allows the United States and coastal States to fix
federal-state boundaries in appropriate cases and
thereby promote certainty and fairness, not only with
respect to mineral leasing, but with respect to other
sovereign interests as well.

In accordance with the legislation, the United
States and Texas have reached an agreement on a
specification of fixed coordinates for the federal-state
boundary in the area offshore of Texas. They have
determined the federal-state boundary by: (1) identify-
ing the 1845 Texas coastline and the current Texas
coastline; (2) projecting lines three marine leagues
seaward from each of those coastlines; and (3) con-
structing a composite line using the more landward
points of those two lines. The result is a single line,
mutually acceptable to the United States and Texas
and consistent with Section 2(b) of the Submerged
Lands Act, 43 U.S.C. 1301(b), for demarcating the
submerged lands rights of the parties. The attached
proposed decree sets out the coordinates of that line.

The United States and Texas tender that proposed decree for entry by this Court.

If the Court enters the proposed decree, it would fix the coordinates of the federal-state boundary between the United States and Texas and, in that respect, supersede the boundary description set out in the Court's supplemental decree of May 5, 1969. See *Texas Boundary Case*, 394 U.S. 836. The Court has previously entered other decrees that establish a fixed federal-state boundary in the Gulf of Mexico by specifying the coordinates of the federal-state boundary or the coastline from which the Submerged Lands Act grant is measured. See *United States* v. *Louisiana (Alabama and Mississippi Boundary Case)*, 507 U.S. 7 (1993) (Alabama coastline); *Mississippi* v. *United States*, 498 U.S. 16 (1990) (stipulated baseline in the vicinity of Chandeleur Sound); *United States* v. *Louisiana (Alabama and Mississippi Boundary Case)*, 498 U.S. 9 (1990) (Mississippi coastline in the vicinity of Mississippi Sound); *United States* v. *Louisiana (Louisiana Boundary Case)* 452 U.S. 726 (1981) (United States-Louisiana boundary); *United States* v. *Louisiana (Louisiana Boundary Case)*, 422 U.S. 13 (1975) (Louisiana coastline). If the Court enters the proposed decree, the decrees in combination would provide a continuous and fixed federal-state boundary in the Gulf of Mexico from the United States' and the State of Texas's border with the Republic of Mexico to the State of Alabama's border with the State of Florida. See App., *infra*, 32a (map showing the location of the fixed federal-state

boundary established by the proposed and existing decrees).*

For the forgoing reasons, the Court should enter the proposed supplemental decree.

Respectfully submitted.

DAN MORALES
   *Attorney General*
   *State of Texas*

SETH P. WAXMAN
   *Solicitor General*

SEPTEMBER 1998

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\* The United States is continuing to work with the State of Florida to develop a fixed federal-state boundary on the Gulf Coast portion of that State. Compare *United States* v. *Florida*, 425 U.S. 791 (1976) (decree describing an ambulatory federal-state boundary).

# In the Supreme Court of the United States

OCTOBER TERM, 1997

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No. 9, Original

UNITED STATES OF AMERICA, PLAINTIFF

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STATE OF LOUISIANA, ET AL.

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*ON BILL OF COMPLAINT*

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## PROPOSED SUPPLEMENTAL DECREE

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On December 12, 1960, this Court entered a final decree addressing the entitlement of the United States and the States of Alabama, Florida, Louisiana, Mississippi, and Texas to lands, minerals, and other natural resources underlying the Gulf of Mexico. *United States* v. *Louisiana*, 364 U.S. 502 (1960). On May 5, 1969, this Court entered a supplemental decree describing the 1845 coastline of the State of Texas and the offshore boundary between the United States and Texas. *United States* v. *Louisiana (Texas Boundary Case)*, 394 U.S. 836 (1969). For the purpose of identifying with greater particularity the boundary line between the submerged lands of Texas

(1a)

and those of the United States, it is ordered, adjudged, and decreed as follows:

1. As against the United States, with the exceptions provided by Section 5 of the Submerged Lands Act, 43 U.S.C. 1313, the State of Texas is entitled to all lands, minerals, and other natural resources underlying the Gulf of Mexico, bounded on the south by the international boundary with the Republic of Mexico and on the east by the boundary between the States of Texas and Louisiana and an extension thereof, that lie landward of the line described in paragraph 3 below.

2. As against the State of Texas, the United States is entitled to all lands, minerals, and other natural resources underlying the Gulf of Mexico, bounded on the south by the international boundary with the Republic of Mexico and on the east by the boundary between the States of Texas and Louisiana and an extension thereof, that lie seaward of the line described in paragraph 3 below.

3. The federal-state boundary line, referred to in paragraphs 1 and 2 above, is located as follows:

| TYPE CODE | NAD 27 TEXAS SOUTH ZONE (FEET) | |
| --- | --- | --- |
| | x-coordinate | y-coordinate |
| BEGINNING AT | 2499640.190 | 113383.050 |
| BY STRAIGHT LINE TO | 2499530.550 | 116379.990 |
| BY ARC CENTERED AT | 2444923.280 | 113478.030 |
| TO | 2499085.770 | 121013.970 |
| BY STRAIGHT LINE TO | 2498580.340 | 124646.260 |
| BY ARC CENTERED AT | 2444417.930 | 117110.640 |
| TO | 2498520.860 | 125062.040 |

| | | |
|---|---|---|
| BY ARC CENTERED AT | 2447716.990 | 104830.000 |
| TO | 2498147.430 | 125977.510 |
| BY STRAIGHT LINE TO | 2498068.220 | 126760.310 |
| BY ARC CENTERED AT | 2443661.000 | 121256.010 |
| TO | 2497382.910 | 131473.560 |
| BY STRAIGHT LINE TO | 2497076.470 | 135705.480 |
| BY STRAIGHT LINE TO | 2497119.050 | 137947.290 |
| BY STRAIGHT LINE TO | 2497240.260 | 139652.480 |
| BY ARC CENTERED AT | 2442693.000 | 143530.000 |
| TO | 2496941.950 | 150421.250 |
| BY STRAIGHT LINE TO | 2496722.950 | 152145.250 |
| BY ARC CENTERED AT | 2442474.000 | 145254.000 |
| TO | 2496369.790 | 154510.440 |
| BY·STRAIGHT LINE TO | 2495552.790 | 159267.440 |
| BY ARC CENTERED AT | 2441657.000 | 150011.000 |
| TO | 2495160.620 | 161315.920 |
| BY STRAIGHT LINE TO | 2494874.980 | 162667.810 |
| BY STRAIGHT LINE TO | 2494746.000 | 163636.000 |
| BY STRAIGHT LINE TO | 2494468.310 | 165973.870 |
| BY ARC CENTERED AT | 2443246.710 | 146822.120 |
| TO | 2492810.740 | 169927.290 |
| BY STRAIGHT LINE TO | 2492774.800 | 170112.970 |
| BY ARC CENTERED AT | 2439086.150 | 159722.250 |
| TO | 2492588.170 | 171034.890 |
| BY STRAIGHT LINE TO | 2492205.260 | 174407.590 |
| BY ARC CENTERED AT | 2437625.640 | 171015.450 |
| TO | 2491921.560 | 177526.340 |
| BY STRAIGHT LINE TO | 2491552.740 | 180602.020 |
| BY ARC CENTERED AT | 2437256.820 | 174091.130 |
| TO | 2491382.170 | 181893.990 |
| BY STRAIGHT LINE TO | 2491322.660 | 182306.820 |
| BY STRAIGHT LINE TO | 2491250.280 | 183423.780 |
| BY ARC CENTERED AT | 2436679.820 | 179887.780 |
| TO | 2491038.940 | 185848.050 |
| BY STRAIGHT LINE TO | 2490687.070 | 189057.190 |

3a

| | | |
|---|---|---|
| BY ARC CENTERED AT | 2436327.950 | 183096.920 |
| TO | 2490568.140 | 190056.800 |
| BY STRAIGHT LINE TO | 2489781.810 | 196184.910 |
| BY STRAIGHT LINE TO | 2489408.130 | 199725.490 |
| BY ARC CENTERED AT | 2435025.270 | 193985.870 |
| TO | 2488891.700 | 203411.710 |
| BY STRAIGHT LINE TO | 2488385.320 | 206305.540 |
| BY STRAIGHT LINE TO | 2488095.190 | 207985.200 |
| BY STRAIGHT LINE TO | 2487772.010 | 210387.930 |
| BY ARC CENTERED AT | 2433575.160 | 203098.250 |
| TO | 2487561.760 | 211809.440 |
| BY STRAIGHT LINE TO | 2487232.820 | 213848.020 |
| BY ARC CENTERED AT | 2432844.590 | 208159.240 |
| TO | 2487027.760 | 215549.950 |
| BY STRAIGHT LINE TO | 2486636.220 | 218420.430 |
| BY ARC CENTERED AT | 2432453.050 | 211029.720 |
| TO | 2486214.950 | 221034.530 |
| BY STRAIGHT LINE TO | 2485938.220 | 222521.570 |
| BY STRAIGHT LINE TO | 2485815.850 | 223411.880 |
| BY ARC CENTERED AT | 2431640.280 | 215965.660 |
| TO | 2484763.880 | 228939.650 |
| BY STRAIGHT LINE TO | 2484753.860 | 228995.960 |
| BY ARC CENTERED AT | 2430915.120 | 219413.240 |
| TO | 2484707.670 | 229251.920 |
| BY STRAIGHT LINE TO | 2484141.990 | 232344.750 |
| BY ARC CENTERED AT | 2430349.440 | 222506.070 |
| TO | 2483210.720 | 236510.600 |
| BY STRAIGHT LINE TO | 2483055.890 | 237300.960 |
| BY ARC CENTERED AT | 2429390.990 | 226788.270 |
| TO | 2482686.770 | 239035.640 |
| BY STRAIGHT LINE TO | 2482267.080 | 240861.990 |
| BY STRAIGHT LINE TO | 2481855.260 | 242883.000 |
| BY ARC CENTERED AT | 2428271.470 | 231964.400 |
| TO | 2481793.420 | 243182.190 |
| BY STRAIGHT LINE TO | 2481027.530 | 246836.380 |

| | | |
|---|---|---|
| BY ARC CENTERED AT | 2427505.580 | 235618.590 |
| TO | 2480357.520 | 249658.190 |
| BY STRAIGHT LINE TO | 2480292.310 | 249903.680 |
| BY ARC CENTERED AT | 2426833.570 | 238388.260 |
| TO | 2479639.120 | 252601.340 |
| BY STRAIGHT LINE TO | 2478059.020 | 258471.870 |
| BY STRAIGHT LINE TO | 2477392.310 | 261606.470 |
| BY ARC CENTERED AT | 2423903.880 | 250229.900 |
| TO | 2476815.070 | 264044.520 |
| BY STRAIGHT LINE TO | 2474580.490 | 272603.140 |
| BY STRAIGHT LINE TO | 2473051.430 | 278464.090 |
| BY STRAIGHT LINE TO | 2472865.110 | 279221.610 |
| BY ARC CENTERED AT | 2419762.850 | 266160.680 |
| TO | 2472134.540 | 281897.390 |
| BY STRAIGHT LINE TO | 2471635.750 | 283557.370 |
| BY STRAIGHT LINE TO | 2471536.110 | 284004.850 |
| BY ARC CENTERED AT | 2418158.400 | 272119.650 |
| TO | 2470645.240 | 287467.950 |
| BY STRAIGHT LINE TO | 2469160.610 | 292544.980 |
| BY ARC CENTERED AT | 2415708.630 | 280998.210 |
| TO | 2468375.640 | 295716.380 |
| BY STRAIGHT LINE TO | 2467281.750 | 299630.710 |
| BY STRAIGHT LINE TO | 2467063.940 | 300479.790 |
| BY ARC CENTERED AT | 2414094.150 | 286891.590 |
| TO | 2466681.490 | 301891.910 |
| BY STRAIGHT LINE TO | 2464286.370 | 310288.600 |
| BY ARC CENTERED AT | 2411699.030 | 295288.280 |
| TO | 2463285.380 | 313434.620 |
| BY STRAIGHT LINE TO | 2461034.980 | 320839.800 |
| BY ARC CENTERED AT | 2408712.780 | 304939.300 |
| TO | 2460234.640 | 323267.860 |
| BY STRAIGHT LINE TO | 2459053.490 | 326588.090 |
| BY ARC CENTERED AT | 2407531.630 | 308259.530 |
| TO | 2458585.720 | 327853.430 |
| BY ARC CENTERED AT | 2406144.130 | 312351.150 |

| | | |
|---|---|---|
| TO | 2458085.170 | 329455.830 |
| BY ARC CENTERED AT | 2405329.070 | 315060.150 |
| TO | 2456893.510 | 333268.570 |
| BY STRAIGHT LINE TO | 2456601.800 | 334094.660 |
| BY ARC CENTERED AT | 2402327.560 | 327405.250 |
| TO | 2456491.030 | 334939.170 |
| BY STRAIGHT LINE TO | 2450926.200 | 352123.960 |
| BY ARC CENTERED AT | 2398901.000 | 335277.000 |
| TO | 2450600.010 | 353099.830 |
| BY ARC CENTERED AT | 2402327.560 | 327405.250 |
| TO | 2448841.400 | 356161.200 |
| BY ARC CENTERED AT | 2397154.960 | 338301.920 |
| TO | 2448402.460 | 357384.260 |
| BY STRAIGHT LINE TO | 2448203.960 | 358041.630 |
| BY ARC CENTERED AT | 2395853.580 | 342234.170 |
| TO | 2447351.610 | 360629.590 |
| BY STRAIGHT LINE TO | 2445237.930 | 366546.830 |
| BY STRAIGHT LINE TO | 2444812.700 | 367941.320 |
| BY ARC CENTERED AT | 2392505.710 | 351990.870 |
| TO | 2444593.900 | 368641.950 |
| BY STRAIGHT LINE TO | 2443105.010 | 373299.520 |
| BY ARC CENTERED AT | 2391016.820 | 356648.440 |
| TO | 2442033.710 | 376339.020 |
| BY ARC CENTERED AT | 2389552.290 | 360972.090 |
| TO | 2441418.680 | 378301.810 |
| BY STRAIGHT LINE TO | 2441344.850 | 378626.700 |
| BY ARC CENTERED AT | 2388019.490 | 366508.780 |
| TO | 2439779.110 | 384154.840 |
| BY STRAIGHT LINE TO | 2439562.270 | 385005.700 |
| BY ARC CENTERED AT | 2386571.100 | 371501.090 |
| TO | 2438943.520 | 387235.390 |
| BY STRAIGHT LINE TO | 2437602.910 | 391697.680 |
| BY ARC CENTERED AT | 2385230.490 | 375963.380 |
| TO | 2437284.850 | 392719.940 |
| BY STRAIGHT LINE TO | 2436975.360 | 393681.380 |

| | | |
|---|---|---|
| BY STRAIGHT LINE TO | 2436280.090 | 396142.280 |
| BY STRAIGHT LINE TO | 2435935.420 | 397450.420 |
| BY ARC CENTERED AT | 2383055.220 | 383517.610 |
| TO | 2435869.020 | 397700.130 |
| BY ARC CENTERED AT | 2382474.620 | 385889.990 |
| TO | 2434395.970 | 403054.240 |
| BY STRAIGHT LINE TO | 2433650.070 | 405310.550 |
| BY STRAIGHT LINE TO | 2433087.580 | 407425.790 |
| BY ARC CENTERED AT | 2380239.370 | 393372.130 |
| TO | 2432993.510 | 407774.870 |
| BY STRAIGHT LINE TO | 2432437.610 | 409811.000 |
| BY STRAIGHT LINE TO | 2432335.870 | 410202.980 |
| BY ARC CENTERED AT | 2379404.950 | 396464.120 |
| TO | 2432157.640 | 410872.290 |
| BY ARC CENTERED AT | 2378627.400 | 399693.960 |
| TO | 2431651.370 | 413069.200 |
| BY STRAIGHT LINE TO | 2431453.470 | 413853.740 |
| BY STRAIGHT LINE TO | 2431013.370 | 415825.730 |
| BY ARC CENTERED AT | 2377641.480 | 403914.410 |
| TO | 2430848.050 | 416543.720 |
| BY STRAIGHT LINE TO | 2430456.820 | 418191.950 |
| BY ARC CENTERED AT | 2377250.250 | 405562.640 |
| TO | 2430081.080 | 419681.490 |
| BY STRAIGHT LINE TO | 2429782.280 | 420799.550_ |
| BY ARC CENTERED AT | 2376492.690 | 408525.150 |
| TO | 2429618.410 | 421490.340 |
| BY STRAIGHT LINE TO | 2429425.410 | 422281.170 |
| BY ARC CENTERED AT | 2376299.690 | 409315.980 |
| TO | 2429115.820 | 423489.710 |
| BY STRAIGHT LINE TO | 2428995.000 | 423939.930 |
| BY STRAIGHT LINE TO | 2428815.500 | 424717.220 |
| BY ARC CENTERED AT | 2375532.880 | 412412.700 |
| TO | 2428479.360 | 426091.600 |
| BY STRAIGHT LINE TO | 2428280.980 | 427102.420 |
| BY ARC CENTERED AT | 2374619.700 | 416571.290 |

| | | |
|---|---|---|
| TO | 2427686.310 | 429776.450 |
| BY STRAIGHT LINE TO | 2427221.210 | 432117.020 |
| BY ARC CENTERED AT | 2373585.020 | 421458.800 |
| TO | 2426956.130 | 433373.750 |
| BY STRAIGHT LINE TO | 2426718.550 | 434664.430 |
| BY ARC CENTERED AT | 2372937.210 | 424764.650 |
| TO | 2426443.020 | 436059.350 |
| BY ARC CENTERED AT | 2372724.710 | 425822.890 |
| TO | 2425824.030 | 438895.890 |
| BY STRAIGHT LINE TO | 2425299.740 | 441472.100 |
| BY ARC CENTERED AT | 2371166.980 | 433720.610 |
| TO | 2424769.480 | 444547.000 |
| BY STRAIGHT LINE TO | 2424185.850 | 447436.620 |
| BY STRAIGHT LINE TO | 2424127.670 | 447874.140 |
| BY ARC CENTERED AT | 2369919.910 | 440666.050 |
| TO | 2423862.830 | 449643.980 |
| BY ARC CENTERED AT | 2369485.630 | 443850.710 |
| TO | 2423405.660 | 452964.920 |
| BY STRAIGHT LINE TO | 2422577.640 | 457863.520 |
| BY ARC CENTERED AT | 2368657.610 | 448749.310 |
| TO | 2422499.930 | 458312.070 |
| BY STRAIGHT LINE TO | 2422242.120 | 460576.560 |
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| TO | 2421804.280 | 464656.200 |
| BY STRAIGHT LINE TO | 2421763.410 | 464949.880 |
| BY ARC CENTERED AT | 2367204.320 | 461242.220 |
| TO | 2421206.650 | 469855.550 |
| BY STRAIGHT LINE TO | 2421192.970 | 469999.840 |
| BY STRAIGHT LINE TO | 2421148.590 | 470607.900 |
| BY ARC CENTERED AT | 2366608.740 | 466627.610 |

| | | |
|---|---|---|
| TO | 2421002.790 | 472260.180 |
| BY STRAIGHT LINE TO | 2420625.570 | 475903.050 |
| BY STRAIGHT LINE TO | 2420474.600 | 477959.400 |
| BY STRAIGHT LINE TO | 2420464.560 | 478299.760 |
| BY ARC CENTERED AT | 2365803.390 | 476688.020 |
| TO | 2420421.760 | 479385.270 |
| BY STRAIGHT LINE TO | 2420325.690 | 480908.060 |
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| BY ARC CENTERED AT | 2365634.650 | 479892.280 |
| TO | 2420301.800 | 481286.650 |
| BY STRAIGHT LINE TO | 2419964.790 | 486628.350 |
| BY STRAIGHT LINE TO | 2419807.600 | 488421.100 |
| BY STRAIGHT LINE TO | 2419815.100 | 489050.630 |
| BY ARC CENTERED AT | 2365134.050 | 489702.030 |
| TO | 2419817.350 | 489279.390 |
| BY STRAIGHT LINE TO | 2419592.920 | 493821.700 |
| BY STRAIGHT LINE TO | 2419588.860 | 494734.230 |
| BY STRAIGHT LINE TO | 2419586.170 | 494766.260 |
| BY STRAIGHT LINE TO | 2419523.860 | 497706.230 |
| BY STRAIGHT LINE TO | 2419529.920 | 501346.460 |
| BY STRAIGHT LINE TO | 2419441.950 | 506501.720 |
| BY STRAIGHT LINE TO | 2419749.610 | 514044.990 |
| BY STRAIGHT LINE TO | 2419872.320 | 516348.740 |
| BY STRAIGHT LINE TO | 2419879.340 | 516771.410 |
| BY STRAIGHT LINE TO | 2419941.610 | 518160.240 |
| BY ARC CENTERED AT | 2365564.350 | 523952.890 |
| TO | 2420046.380 | 519246.550 |
| BY STRAIGHT LINE TO | 2420164.830 | 521008.880 |
| BY ARC CENTERED AT | 2365603.000 | 524676.000 |
| TO | 2420189.460 | 521395.780 |
| BY ARC CENTERED AT | 2365564.350 | 523952.890 |
| TO | 2420249.280 | 523965.170 |
| BY STRAIGHT LINE TO | 2420314.570 | 524835.970 |
| BY ARC CENTERED AT | 2366101.610 | 532005.080 |
| TO | 2420323.670 | 524905.110 |

| | | |
|---|---|---|
| BY STRAIGHT LINE TO | 2420366.920 | 526247.710 |
| BY STRAIGHT LINE TO | 2421336.030 | 538405.930 |
| BY ARC CENTERED AT | 2366824.000 | 542751.000 |
| TO | 2421428.630 | 539788.670 |
| BY STRAIGHT LINE TO | 2421449.160 | 540167.060 |
| BY STRAIGHT LINE TO | 2421590.660 | 540985.590 |
| BY ARC CENTERED AT | 2367705.000 | 550301.000 |
| TO | 2421629.070 | 541210.570 |
| BY ARC CENTERED AT | 2367242.130 | 546911.620 |
| TO | 2421712.320 | 542070.190 |
| BY STRAIGHT LINE TO | 2421873.460 | 543188.510 |
| BY ARC CENTERED AT | 2367747.500 | 550987.350 |
| TO | 2422133.700 | 545279.250 |
| BY STRAIGHT LINE TO | 2422164.040 | 545456.340 |
| BY ARC CENTERED AT | 2368264.240 | 554689.590 |
| TO | 2422202.260 | 545682.270 |
| BY STRAIGHT LINE TO | 2422522.100 | 548828.020 |
| BY STRAIGHT LINE TO | 2422758.260 | 550124.120 |
| BY ARC CENTERED AT | 2368264.240 | 554689.590 |
| TO | 2422789.160 | 550509.280 |
| BY STRAIGHT LINE TO | 2422844.930 | 550845.260 |
| BY ARC CENTERED AT | 2368898.240 | 559800.470 |
| TO | 2422912.170 | 551260.190 |
| BY ARC CENTERED AT | 2369352.490 | 562296.570 |
| TO | 2423047.950 | 551940.930 |
| BY STRAIGHT LINE TO | 2423261.620 | 553048.840 |
| BY STRAIGHT LINE TO | 2423600.420 | 555115.010 |
| BY STRAIGHT LINE TO | 2424692.350 | 560776.670 |
| BY ARC CENTERED AT | 2370786.300 | 569973.380 |
| TO | 2424763.300 | 561202.680 |
| BY STRAIGHT LINE TO | 2424936.150 | 562266.460 |
| BY ARC CENTERED AT | 2371804.880 | 575209.000 |
| TO | 2425189.960 | 563356.800 |
| BY STRAIGHT LINE TO | 2425603.330 | 565500.130 |
| BY STRAIGHT LINE TO | 2425719.410 | 566062.140 |

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|---|---|---|
| BY ARC CENTERED AT | 2371804.880 | 575209.000 |
| TO | 2425970.990 | 567694.050 |
| BY ARC CENTERED AT | 2372891.700 | 580848.170 |
| TO | 2426476.550 | 569934.620 |
| BY STRAIGHT LINE TO | 2426759.750 | 571094.040 |
| BY ARC CENTERED AT | 2373636.620 | 584069.970 |
| TO | 2427001.620 | 572127.690 |
| BY STRAIGHT LINE TO | 2427068.030 | 572424.430 |
| BY ARC CENTERED AT | 2374312.620 | 586822.650 |
| TO | 2428075.200 | 576821.310 |
| BY STRAIGHT LINE TO | 2428113.770 | 577028.640 |
| BY ARC CENTERED AT | 2375731.900 | 592731.550 |
| TO | 2429540.890 | 582983.010 |
| BY STRAIGHT LINE TO | 2429922.920 | 584415.650 |
| BY ARC CENTERED AT | 2377084.350 | 598505.620 |
| TO | 2430569.690 | 587114.410 |
| BY ARC CENTERED AT | 2377692.260 | 601057.820 |
| TO | 2430741.360 | 587782.480 |
| BY STRAIGHT LINE TO | 2431599.780 | 590546.360 |
| BY ARC CENTERED AT | 2379375.720 | 606766.390 |
| TO | 2432118.430 | 592321.740 |
| BY STRAIGHT LINE TO | 2432320.820 | 593060.740 |
| BY ARC CENTERED AT | 2379578.110 | 607505.390 |
| TO | 2432613.420 | 594175.070 |
| BY ARC CENTERED AT | 2380766.020 | 611561.520 |
| TO | 2433949.830 | 598836.580 |
| BY STRAIGHT LINE TO | 2434474.510 | 600505.210 |
| BY ARC CENTERED AT | 2382307.710 | 616908.460 |
| TO | 2434941.410 | 602071.520 |
| BY STRAIGHT LINE TO | 2435346.570 | 603508.820 |
| BY ARC CENTERED AT | 2384049.050 | 622456.270 |
| TO | 2436335.810 | 606439.530 |
| BY STRAIGHT LINE TO | 2436562.320 | 607178.960 |
| BY ARC CENTERED AT | 2385120.810 | 625731.940 |
| TO | 2436838.740 | 607964.060 |

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|---|---|---|
| BY STRAIGHT LINE TO | 2437860.380 | 611265.290 |
| BY STRAIGHT LINE TO | 2440773.250 | 619882.130 |
| BY STRAIGHT LINE TO | 2443621.860 | 627687.240 |
| BY STRAIGHT LINE TO | 2446144.590 | 633614.600 |
| BY STRAIGHT LINE TO | 2449255.470 | 641224.720 |
| BY STRAIGHT LINE TO | 2451943.700 | 647349.180 |
| BY ARC CENTERED AT | 2403216.710 | 672170.980 |
| TO | 2453839.050 | 651487.170 |
| BY STRAIGHT LINE TO | 2454354.520 | 652748.750 |
| BY ARC CENTERED AT | 2404751.450 | 675769.980 |
| TO | 2455233.950 | 654747.150 |
| BY STRAIGHT LINE TO | 2456428.610 | 657615.910 |
| BY STRAIGHT LINE TO | 2457409.770 | 659715.620 |
| BY STRAIGHT LINE TO | 2457492.800 | 659881.530 |
| BY STRAIGHT LINE TO | 2457880.700 | 660588.980 |
| BY ARC CENTERED AT | 2409930.560 | 686880.150 |
| TO | 2459681.540 | 664180.340 |
| BY ARC CENTERED AT | 2410622.500 | 688339.230 |
| TO | 2460486.730 | 665889.290 |
| BY STRAIGHT LINE TO | 2461860.990 | 668941.700 |
| BY ARC CENTERED AT | 2411996.760 | 691391.640 |
| TO | 2462119.470 | 669524.870 |
| BY ARC CENTERED AT | 2412857.140 | 693266.490 |
| TO | 2463355.690 | 672282.250 |
| BY ARC CENTERED AT | 2414870.770 | 697573.640 |
| TO | 2466048.730 | 678305.590 |
| BY STRAIGHT LINE TO | 2466166.030 | 678617.150 |
| BY STRAIGHT LINE TO | 2467182.470 | 680797.150 |
| BY ARC CENTERED AT | 2417426.790 | 703530.470 |
| TO | 2467494.230 | 681537.440 |
| BY STRAIGHT LINE TO | 2469260.580 | 685558.560 |
| BY ARC CENTERED AT | 2419193.140 | 707551.590 |
| TO | 2470435.270 | 688454.830 |
| BY STRAIGHT LINE TO | 2471688.830 | 691818.490 |
| BY STRAIGHT LINE TO | 2471885.230 | 692323.690 |

| | | |
|---|---|---|
| BY STRAIGHT LINE TO | 2472205.200 | 692969.770 |
| BY ARC CENTERED AT | 2423200.660 | 717239.030 |
| TO | 2472310.610 | 693183.800 |
| BY STRAIGHT LINE TO | 2473617.860 | 695852.620 |
| BY ARC CENTERED AT | 2426284.340 | 723238.370 |
| TO | 2475216.930 | 698824.380 |
| BY STRAIGHT LINE TO | 2475401.770 | 699194.860 |
| BY ARC CENTERED AT | 2431965.410 | 732417.200 |
| TO | 2477193.450 | 701678.530 |
| BY STRAIGHT LINE TO | 2477226.150 | 701747.670 |
| BY STRAIGHT LINE TO | 2482144.440 | 710612.870 |
| BY ARC CENTERED AT | 2432146.070 | 732762.470 |
| TO | 2483702.310 | 714530.740 |
| BY ARC CENTERED AT | 2439420.060 | 746616.940 |
| TO | 2488071.690 | 721647.760 |
| BY STRAIGHT LINE TO | 2488180.360 | 721859.490 |
| BY ARC CENTERED AT | 2441291.670 | 750000.080 |
| TO | 2489005.570 | 723282.570 |
| BY STRAIGHT LINE TO | 2489076.160 | 723408.630 |
| BY ARC CENTERED AT | 2443300.190 | 753325.220 |
| TO | 2491593.620 | 727670.080 |
| BY STRAIGHT LINE TO | 2491955.580 | 728217.450 |
| BY ARC CENTERED AT | 2446341.710 | 758380.620 |
| TO | 2494300.900 | 732105.970 |
| BY STRAIGHT LINE TO | 2495840.520 | 734483.860 |
| BY ARC CENTERED AT | 2449937.320 | 764204.860 |
| TO | 2496595.180 | 735683.190 |
| BY ARC CENTERED AT | 2452452.610 | 767961.280 |
| TO | 2498869.230 | 739048.680 |
| BY ARC CENTERED AT | 2455279.690 | 772069.780 |
| TO | 2500456.130 | 741255.320 |
| BY STRAIGHT LINE TO | 2500712.690 | 741564.640 |
| BY ARC CENTERED AT | 2458621.980 | 776476.150 |
| TO | 2504252.800 | 746338.630 |
| BY STRAIGHT LINE TO | 2505354.910 | 748007.320 |

| | | |
|---|---|---|
| BY ARC CENTERED AT | 2459724.090 | 778144.840 |
| TO | 2505590.820 | 748367.590 |
| BY STRAIGHT LINE TO | 2505983.500 | 748889.880 |
| BY STRAIGHT LINE TO | 2511490.700 | 757056.430 |
| BY STRAIGHT LINE TO | 2515271.770 | 762239.850 |
| BY ARC CENTERED AT | 2471092.000 | 794467.000 |
| TO | 2522659.430 | 776266.950 |
| BY ARC CENTERED AT | 2469699.060 | 789891.960 |
| TO | 2523181.540 | 778487.310 |
| BY STRAIGHT LINE TO | 2524130.650 | 780076.610 |
| BY ARC CENTERED AT | 2477180.560 | 808114.640 |
| TO | 2524616.270 | 780906.270 |
| BY STRAIGHT LINE TO | 2525688.370 | 782775.400 |
| BY STRAIGHT LINE TO | 2526405.610 | 783873.390 |
| BY STRAIGHT LINE TO | 2526912.250 | 784575.150 |
| BY ARC CENTERED AT | 2485221.810 | 819963.690 |
| TO | 2529566.360 | 787963.660 |
| BY STRAIGHT LINE TO | 2530120.660 | 788731.790 |
| BY ARC CENTERED AT | 2485776.110 | 820731.820 |
| TO | 2530599.690 | 789406.300 |
| BY STRAIGHT LINE TO | 2532693.510 | 792048.080 |
| BY ARC CENTERED AT | 2489837.050 | 826015.210 |
| TO | 2533104.660 | 792573.390 |

## NAD 27
### TEXAS SOUTH CENTRAL ZONE (FEET)

| TYPE CODE | x-coordinate | y-coordinate |
|---|---|---|
| BEGINNING AT | 2694807.370 | 7920.000 |
| BY ARC CENTERED AT | 2651368.410 | 41138.940 |
| TO | 2695028.050 | 8210.570 |
| BY STRAIGHT LINE TO | 2696328.030 | 9934.210 |
| BY ARC CENTERED AT | 2652668.390 | 42862.580 |

| | | |
|---|---|---|
| TO | 2697132.900 | 11029.450 |
| BY STRAIGHT LINE TO | 2697605.010 | 11688.900 |
| BY STRAIGHT LINE TO | 2698950.860 | 13543.300 |
| BY STRAIGHT LINE TO | 2699068.710 | 13696.800 |
| BY ARC CENTERED AT | 2655692.950 | 46998.220 |
| TO | 2699266.660 | 13956.230 |
| BY STRAIGHT LINE TO | 2700474.150 | 15548.600 |
| BY STRAIGHT LINE TO | 2701138.660 | 16356.020 |
| BY ARC CENTERED AT | 2658914.680 | 51106.230 |
| TO | 2703459.340 | 19385.340 |
| BY STRAIGHT LINE TO | 2704242.140 | 20343.120 |
| BY STRAIGHT LINE TO | 2706136.980 | 22576.320 |
| BY ARC CENTERED AT | 2664439.240 | 57956.260 |
| TO | 2707160.620 | 23819.400 |
| BY STRAIGHT LINE TO | 2707981.110 | 24846.220 |
| BY ARC CENTERED AT | 2668397.030 | 62576.080 |
| TO | 2711386.470 | 28777.420 |
| BY ARC CENTERED AT | 2672807.810 | 67534.720 |
| TO | 2712913.170 | 30359.440 |
| BY STRAIGHT LINE TO | 2714851.590 | 32807.340 |
| BY STRAIGHT LINE TO | 2720375.410 | 38908.640 |
| BY STRAIGHT LINE TO | 2724706.490 | 43579.770 |
| BY STRAIGHT LINE TO | 2727377.400 | 46418.300 |
| BY ARC CENTERED AT | 2691713.000 | 87873.000 |
| TO | 2728696.140 | 47590.380 |
| BY STRAIGHT LINE TO | 2729240.290 | 48143.360 |
| BY ARC CENTERED AT | 2690262.500 | 86499.240 |
| TO | 2731180.770 | 50220.650 |
| BY STRAIGHT LINE TO | 2732208.340 | 51122.910 |
| BY ARC CENTERED AT | 2691713.000 | 87873.000 |
| TO | 2733517.040 | 52618.730 |
| BY STRAIGHT LINE TO | 2745286.590 | 64044.590 |
| BY STRAIGHT LINE TO | 2759114.410 | 76841.960 |
| BY STRAIGHT LINE TO | 2760917.070 | 78431.750 |
| BY STRAIGHT LINE TO | 2775278.440 | 90137.930 |

| | | |
|---|---|---|
| BY STRAIGHT LINE TO | 2780827.390 | 94573.040 |
| BY ARC CENTERED AT | 2746685.000 | 137290.000 |
| TO | 2782550.130 | 96008.850 |
| BY STRAIGHT LINE TO | 2783851.500 | 97139.490 |
| BY STRAIGHT LINE TO | 2791481.830 | 102793.450 |
| BY STRAIGHT LINE TO | 2800074.060 | 109136.540 |
| BY STRAIGHT LINE TO | 2807481.710 | 114229.980 |
| BY STRAIGHT LINE TO | 2814202.430 | 118282.770 |
| BY ARC CENTERED AT | 2785963.000 | 165112.000 |
| TO | 2815384.430 | 119016.220 |
| BY STRAIGHT LINE TO | 2824561.520 | 124873.660 |
| BY STRAIGHT LINE TO | 2831319.290 | 128676.100 |
| BY STRAIGHT LINE TO | 2836670.030 | 131276.120 |
| BY STRAIGHT LINE TO | 2839196.630 | 132253.910 |
| BY ARC CENTERED AT | 2819460.000 | 183253.000 |
| TO | 2840052.770 | 132593.560 |
| BY STRAIGHT LINE TO | 2843903.410 | 134158.820 |
| BY STRAIGHT LINE TO | 2844183.740 | 134312.590 |
| BY STRAIGHT LINE TO | 2844955.770 | 134705.330 |
| BY STRAIGHT LINE TO | 2845872.960 | 135155.240 |
| BY ARC CENTERED AT | 2825497.270 | 185902.390 |
| TO | 2849289.540 | 136664.510 |
| BY STRAIGHT LINE TO | 2851199.390 | 137587.370 |
| BY ARC CENTERED AT | 2827407.120 | 186825.250 |
| TO | 2856405.590 | 140462.220 |
| BY STRAIGHT LINE TO | 2858663.940 | 141874.740 |
| BY ARC CENTERED AT | 2829665.470 | 188237.770 |
| TO | 2863238.310 | 145071.740 |
| BY STRAIGHT LINE TO | 2864474.860 | 146033.480 |
| BY ARC CENTERED AT | 2830902.020 | 189199.510 |
| TO | 2869325.100 | 150287.970 |
| BY STRAIGHT LINE TO | 2871170.070 | 152109.780 |
| BY ARC CENTERED AT | 2832746.990 | 191021.320 |
| TO | 2873748.790 | 154837.150 |
| BY STRAIGHT LINE TO | 2874832.670 | 156065.340 |

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|---|---|---|
| BY ARC CENTERED AT | 2833830.870 | 192249.510 |
| TO | 2876665.940 | 158255.420 |
| BY ARC CENTERED AT | 2835315.130 | 194040.220 |
| TO | 2884219.480 | 169569.700 |
| BY STRAIGHT LINE TO | 2885787.250 | 172702.890 |
| BY ARC CENTERED AT | 2836882.900 | 197173.410 |
| TO | 2887801.040 | 177228.870 |
| BY ARC CENTERED AT | 2861037.520 | 224916.980 |
| TO | 2892534.140 | 180213.460 |
| BY ARC CENTERED AT | 2843740.000 | 204903.000 |
| TO | 2893217.860 | 181613.880 |
| BY STRAIGHT LINE TO | 2899305.200 | 186971.240 |
| BY STRAIGHT LINE TO | 2899402.030 | 187052.190 |
| BY STRAIGHT LINE TO | 2902597.410 | 189375.210 |
| BY ARC CENTERED AT | 2861037.520 | 224916.980 |
| TO | 2903033.110 | 189891.110 |
| BY STRAIGHT LINE TO | 2904106.160 | 190615.100 |
| BY ARC CENTERED AT | 2873520.570 | 235946.800 |
| TO | 2905080.870 | 191288.220 |
| BY STRAIGHT LINE TO | 2906715.280 | 192443.260 |
| BY STRAIGHT LINE TO | 2907638.010 | 193039.690 |
| BY STRAIGHT LINE TO | 2908291.270 | 193514.600 |
| BY STRAIGHT LINE TO | 2909528.920 | 194309.070 |
| BY STRAIGHT LINE TO | 2913234.320 | 196854.940 |
| BY ARC CENTERED AT | 2882266.880 | 241926.650 |
| TO | 2913575.440 | 197091.220 |
| BY STRAIGHT LINE TO | 2916494.860 | 199129.850 |
| BY ARC CENTERED AT | 2885186.300 | 243965.280 |
| TO | 2917722.370 | 200012.520 |
| BY STRAIGHT LINE TO | 2921608.890 | 202889.520 |
| BY ARC CENTERED AT | 2889072.820 | 246842.280 |
| TO | 2922355.840 | 203452.390 |
| BY STRAIGHT LINE TO | 2924874.060 | 204954.900 |
| BY STRAIGHT LINE TO | 2925427.680 | 205261.000 |
| BY ARC CENTERED AT | 2898967.370 | 253118.010 |

| | | |
|---|---|---|
| TO | 2926410.500 | 205817.730 |
| BY STRAIGHT LINE TO | 2929730.690 | 207744.070 |
| BY ARC CENTERED AT | 2902287.560 | 255044.350 |
| TO | 2929788.430 | 207777.620 |
| BY STRAIGHT LINE TO | 2933284.200 | 209811.540 |
| BY STRAIGHT LINE TO | 2935512.090 | 211057.520 |
| BY STRAIGHT LINE TO | 2938136.100 | 212469.450 |
| BY ARC CENTERED AT | 2912224.160 | 260625.580 |
| TO | 2940025.910 | 213535.190 |
| BY STRAIGHT LINE TO | 2941803.060 | 214584.410 |
| BY STRAIGHT LINE TO | 2945705.860 | 216708.220 |
| BY ARC CENTERED AT | 2919567.150 | 264741.640 |
| TO | 2945971.370 | 216853.660 |
| BY STRAIGHT LINE TO | 2950356.990 | 219271.780 |
| BY ARC CENTERED AT | 2923952.770 | 267159.760 |
| TO | 2952750.810 | 220671.970 |
| BY STRAIGHT LINE TO | 2952941.730 | 220766.740 |
| BY ARC CENTERED AT | 2928628.000 | 269749.230 |
| TO | 2954636.540 | 221645.200 |
| BY STRAIGHT LINE TO | 2955570.580 | 222150.210 |
| BY ARC CENTERED AT | 2929562.040 | 270254.240 |
| TO | 2956349.210 | 222579.420 |
| BY STRAIGHT LINE TO | 2958574.420 | 223829.710 |
| BY ARC CENTERED AT | 2934873.920 | 273111.830 |
| TO | 2960692.460 | 224905.560 |
| BY STRAIGHT LINE TO | 2963431.970 | 226372.800 |
| BY STRAIGHT LINE TO | 2965204.970 | 227236.970 |
| BY ARC CENTERED AT | 2941245.650 | 276393.790 |
| TO | 2967432.070 | 228386.360 |
| BY ARC CENTERED AT | 2945032.090 | 278273.060 |
| TO | 2971422.390 | 230377.410 |
| BY STRAIGHT LINE TO | 2972631.480 | 231043.620 |
| BY STRAIGHT LINE TO | 2973791.840 | 231637.530 |
| BY STRAIGHT LINE TO | 2974855.500 | 232126.290 |
| BY STRAIGHT LINE TO | 2975886.050 | 232563.650 |

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|---|---|---|
| BY ARC CENTERED AT | 2954522.400 | 282902.860 |
| TO | 2979713.960 | 234366.000 |
| BY STRAIGHT LINE TO | 2981251.110 | 235163.810 |
| BY ARC CENTERED AT | 2962694.900 | 286604.150 |
| TO | 2983148.800 | 235888.480 |
| BY STRAIGHT LINE TO | 2985123.210 | 236684.770 |
| BY ARC CENTERED AT | 2964669.310 | 287400.440 |
| TO | 2987350.630 | 237641.030 |
| BY STRAIGHT LINE TO | 2989974.540 | 238837.060 |
| BY ARC CENTERED AT | 2967293.220 | 288596.470 |
| TO | 2991504.860 | 239563.440 |
| BY STRAIGHT LINE TO | 2992692.050 | 240149.650 |
| BY STRAIGHT LINE TO | 2994157.460 | 240845.210 |
| BY ARC CENTERED AT | 2970708.630 | 290247.580 |
| TO | 2996836.490 | 242208.260 |
| BY ARC CENTERED AT | 2975121.040 | 292396.710 |
| TO | 2998927.060 | 243165.470 |
| BY STRAIGHT LINE TO | 3001943.270 | 244623.970 |
| BY STRAIGHT LINE TO | 3005992.320 | 246501.780 |
| BY STRAIGHT LINE TO | 3006383.000 | 246669.180 |
| BY ARC CENTERED AT | 2984845.740 | 296934.360 |
| TO | 3010364.330 | 248568.640 |
| BY STRAIGHT LINE TO | 3012157.230 | 249514.600 |
| BY STRAIGHT LINE TO | 3012669.720 | 249751.240 |
| BY STRAIGHT LINE TO | 3015766.180 | 251135.710 |
| BY ARC CENTERED AT | 2993445.230 | 301057.820 |
| TO | 3018223.300 | 252308.580 |
| BY STRAIGHT LINE TO | 3020665.560 | 253549.920 |
| BY STRAIGHT LINE TO | 3023218.950 | 254739.210 |
| BY ARC CENTERED AT | 3000130.070 | 304310.830 |
| TO | 3025066.900 | 255642.610 |
| BY STRAIGHT LINE TO | 3027348.820 | 256811.830 |
| BY ARC CENTERED AT | 3002411.990 | 305480.050 |
| TO | 3028551.970 | 257447.320 |
| BY STRAIGHT LINE TO | 3032126.990 | 259392.890 |

| | | |
|---|---|---|
| BY STRAIGHT LINE TO | 3034886.150 | 260872.740 |
| BY ARC CENTERED AT | 3011486.350 | 310298.350 |
| TO | 3036787.320 | 261818.430 |
| BY STRAIGHT LINE TO | 3040213.090 | 263606.290 |
| BY ARC CENTERED AT | 3014912.120 | 312086.210 |
| TO | 3042854.470 | 265079.120 |
| BY STRAIGHT LINE TO | 3043391.400 | 265398.290 |
| BY STRAIGHT LINE TO | 3044340.600 | 265915.800 |
| BY STRAIGHT LINE TO | 3045260.030 | 266396.740 |
| BY ARC CENTERED AT | 3019913.320 | 314852.760 |
| TO | 3050465.910 | 269498.810 |
| BY STRAIGHT LINE TO | 3050938.340 | 269775.110 |
| BY ARC CENTERED AT | 3023330.840 | 316979.640 |
| TO | 3052959.320 | 271016.670 |
| BY STRAIGHT LINE TO | 3053570.440 | 271410.610 |
| BY STRAIGHT LINE TO | 3054073.930 | 271681.910 |
| BY ARC CENTERED AT | 3028133.560 | 319822.730 |
| TO | 3055171.330 | 272289.580 |
| BY STRAIGHT LINE TO | 3056933.050 | 273291.680 |
| BY ARC CENTERED AT | 3029895.280 | 320824.830 |
| TO | 3057177.250 | 273431.420 |
| BY STRAIGHT LINE TO | 3059433.260 | 274730.090 |
| BY ARC CENTERED AT | 3032151.290 | 322123.500 |
| TO | 3062556.130 | 276670.370 |
| BY STRAIGHT LINE TO | 3062977.270 | 276952.080 |
| BY ARC CENTERED AT | 3036185.280 | 324624.200 |
| TO | 3064898.830 | 278084.180 |
| BY STRAIGHT LINE TO | 3067021.350 | 279393.700 |
| BY ARC CENTERED AT | 3038307.800 | 325933.720 |
| TO | 3069004.830 | 280677.400 |
| BY STRAIGHT LINE TO | 3069637.340 | 281067.730 |
| BY ARC CENTERED AT | 3043468.560 | 329084.770 |
| TO | 3073035.950 | 283082.470 |
| BY STRAIGHT LINE TO | 3074010.760 | 283709.020 |
| BY STRAIGHT LINE TO | 3075822.560 | 284817.110 |

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|---|---|---|
| BY ARC CENTERED AT | 3047290.570 | 331468.660 |
| TO | 3078656.890 | 286673.620 |
| BY STRAIGHT LINE TO | 3079619.950 | 287347.970 |
| BY ARC CENTERED AT | 3049567.270 | 333034.710 |
| TO | 3079702.580 | 287402.430 |
| BY STRAIGHT LINE TO | 3082003.660 | 288922.050 |
| BY ARC CENTERED AT | 3054525.300 | 336201.870 |
| TO | 3085421.450 | 291081.260 |
| BY STRAIGHT LINE TO | 3088773.840 | 293376.800 |
| BY STRAIGHT LINE TO | 3090741.410 | 294610.440 |
| BY ARC CENTERED AT | 3061692.160 | 340941.670 |
| TO | 3092340.220 | 295652.180 |
| BY STRAIGHT LINE TO | 3094116.700 | 296854.350 |
| BY ARC CENTERED AT | 3063468.640 | 342143.840 |
| TO | 3095040.470 | 297493.410 |
| BY STRAIGHT LINE TO | 3095430.140 | 297768.940 |
| BY STRAIGHT LINE TO | 3096912.310 | 298585.120 |
| BY ARC CENTERED AT | 3070534.190 | 346487.480 |
| TO | 3098138.840 | 299281.290 |
| BY STRAIGHT LINE TO | 3100464.140 | 300641.050 |
| BY ARC CENTERED AT | 3072859.490 | 347847.240 |
| TO | 3101787.990 | 301440.520 |
| BY ARC CENTERED AT | 3076027.690 | 349677.940 |
| TO | 3104438.060 | 302952.230 |
| BY STRAIGHT LINE TO | 3106979.340 | 304497.390 |
| BY ARC CENTERED AT | 3078568.970 | 351223.100 |
| TO | 3108249.870 | 305293.960 |
| BY STRAIGHT LINE TO | 3109812.630 | 306303.870 |
| BY STRAIGHT LINE TO | 3110194.100 | 306530.950 |
| BY ARC CENTERED AT | 3085475.680 | 355310.470 |
| TO | 3112099.850 | 307544.430 |
| BY STRAIGHT LINE TO | 3113786.380 | 308484.480 |
| BY ARC CENTERED AT | 3087162.210 | 356250.520 |
| TO | 3116712.170 | 310237.030 |
| BY STRAIGHT LINE TO | 3117589.020 | 310800.150 |

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| BY STRAIGHT LINE TO | 3118082.780 | 311090.820 |
| BY ARC CENTERED AT | 3090340.260 | 358216.120 |
| TO | 3118621.310 | 311412.020 |
| BY STRAIGHT LINE TO | 3121372.570 | 313074.450 |
| BY ARC CENTERED AT | 3093091.520 | 359878.550 |
| TO | 3123784.330 | 314619.370 |
| BY STRAIGHT LINE TO | 3125238.200 | 315605.320 |
| BY ARC CENTERED AT | 3096351.420 | 362038.020 |
| TO | 3127470.950 | 317071.180 |
| BY ARC CENTERED AT | 3098829.320 | 363655.500 |
| TO | 3128388.830 | 317648.140 |
| BY STRAIGHT LINE TO | 3130157.030 | 318784.200 |
| BY ARC CENTERED AT | 3100597.520 | 364791.560 |
| TO | 3133615.320 | 321199.510 |
| BY STRAIGHT LINE TO | 3134125.290 | 321585.770 |
| BY STRAIGHT LINE TO | 3134198.270 | 321637.080 |
| BY STRAIGHT LINE TO | 3135152.370 | 322234.400 |
| BY ARC CENTERED AT | 3106134.000 | 368584.970 |
| TO | 3136413.270 | 323048.090 |
| BY ARC CENTERED AT | 3112530.430 | 372242.110 |
| TO | 3143150.490 | 326933.680 |
| BY STRAIGHT LINE TO | 3147344.680 | 329768.170 |
| BY STRAIGHT LINE TO | 3151130.960 | 332331.990 |
| BY ARC CENTERED AT | 3120469.880 | 377612.660 |
| TO | 3151869.500 | 332840.960 |
| BY STRAIGHT LINE TO | 3154262.980 | 334519.580 |
| BY STRAIGHT LINE TO | 3154408.100 | 334609.950 |
| BY ARC CENTERED AT | 3125499.620 | 381029.140 |
| TO | 3156953.120 | 336295.270 |
| BY STRAIGHT LINE TO | 3157670.040 | 336799.350 |
| BY STRAIGHT LINE TO | 3159482.250 | 337125.970 |
| BY ARC CENTERED AT | 3149782.580 | 390943.790 |
| TO | 3160057.260 | 337232.780 |
| BY STRAIGHT LINE TO | 3168664.390 | 342866.180 |
| BY ARC CENTERED AT | 3138717.000 | 388622.000 |

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| TO | 3172530.430 | 345644.170 |
| BY STRAIGHT LINE TO | 3177771.360 | 349048.780 |
| BY ARC CENTERED AT | 3147981.000 | 394907.000 |
| TO | 3178426.110 | 349480.830 |
| BY STRAIGHT LINE TO | 3184351.110 | 353451.830 |
| BY ARC CENTERED AT | 3153906.000 | 398878.000 |
| TO | 3185298.270 | 354101.140 |
| BY STRAIGHT LINE TO | 3196291.270 | 361808.140 |
| BY ARC CENTERED AT | 3164899.000 | 406585.000 |
| TO | 3197099.170 | 362385.560 |
| BY STRAIGHT LINE TO | 3203248.120 | 366865.190 |
| BY STRAIGHT LINE TO | 3203445.000 | 366995.000 |
| BY STRAIGHT LINE TO | 3205263.990 | 368189.780 |
| BY ARC CENTERED AT | 3182950.000 | 418115.000 |
| TO | 3213258.850 | 372597.800 |
| BY STRAIGHT LINE TO | 3214102.850 | 373159.800 |
| BY ARC CENTERED AT | 3183794.000 | 418677.000 |
| TO | 3230735.560 | 390624.700 |
| BY STRAIGHT LINE TO | 3234005.440 | 393622.130 |
| BY ARC CENTERED AT | 3191421.540 | 427930.340 |
| TO | 3235623.940 | 395734.230 |
| BY STRAIGHT LINE TO | 3235703.680 | 395823.380 |
| BY STRAIGHT LINE TO | 3236968.730 | 397155.570 |
| BY STRAIGHT LINE TO | 3237336.470 | 397529.310 |
| BY STRAIGHT LINE TO | 3237447.590 | 397632.950 |
| BY ARC CENTERED AT | 3203126.420 | 440206.400 |
| TO | 3239992.950 | 399817.040 |
| BY STRAIGHT LINE TO | 3243250.850 | 402790.780 |
| BY ARC CENTERED AT | 3206384.320 | 443180.140 |
| TO | 3243687.070 | 403193.310 |
| BY STRAIGHT LINE TO | 3244158.230 | 403632.840 |
| BY ARC CENTERED AT | 3209175.210 | 445664.140 |
| TO | 3244505.920 | 403924.680 |
| BY STRAIGHT LINE TO | 3247383.500 | 406360.430 |
| BY STRAIGHT LINE TO | 3248550.260 | 407332.580 |

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|---|---|---|
| BY STRAIGHT LINE TO | 3250566.680 | 409015.370 |
| BY ARC CENTERED AT | 3215528.190 | 451000.440 |
| TO | 3251544.470 | 409851.090 |
| BY STRAIGHT LINE TO | 3252539.180 | 410721.710 |
| BY STRAIGHT LINE TO | 3253180.840 | 411216.120 |
| BY ARC CENTERED AT | 3219804.150 | 454534.000 |
| TO | 3256039.510 | 413577.440 |
| BY STRAIGHT LINE TO | 3256601.470 | 414074.630 |
| BY STRAIGHT LINE TO | 3258779.810 | 415787.870 |
| BY ARC CENTERED AT | 3224973.600 | 458771.370 |
| TO | 3260398.810 | 417112.080 |
| BY STRAIGHT LINE TO | 3261666.450 | 418190.020 |
| BY STRAIGHT LINE TO | 3263134.150 | 419399.800 |
| BY ARC CENTERED AT | 3228352.030 | 461597.500 |
| TO | 3265357.350 | 421335.260 |
| BY STRAIGHT LINE TO | 3265683.050 | 421566.250 |
| BY STRAIGHT LINE TO | 3267865.630 | 422928.010 |
| BY ARC CENTERED AT | 3238918.550 | 469323.140 |
| TO | 3284820.550 | 439600.280 |
| BY STRAIGHT LINE TO | 3285244.500 | 440255.000 |
| BY ARC CENTERED AT | 3239342.500 | 469977.860 |
| TO | 3288053.370 | 445124.430 |
| BY STRAIGHT LINE TO | 3288295.590 | 445337.940 |
| BY STRAIGHT LINE TO | 3290052.170 | 446826.760 |
| BY STRAIGHT LINE TO | 3293012.610 | 449248.210 |
| BY ARC CENTERED AT | 3258390.270 | 491577.100 |
| TO | 3293509.770 | 449659.770 |
| BY STRAIGHT LINE TO | 3295639.350 | 451443.990 |
| BY STRAIGHT LINE TO | 3299972.020 | 454715.540 |
| BY ARC CENTERED AT | 3267019.120 | 498356.660 |
| TO | 3300771.900 | 455331.180 |
| BY STRAIGHT LINE TO | 3304170.660 | 457997.450 |
| BY STRAIGHT LINE TO | 3306387.000 | 459641.100 |
| BY STRAIGHT LINE TO | 3315159.420 | 466351.910 |
| BY STRAIGHT LINE TO | 3320930.060 | 470563.630 |

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| BY STRAIGHT LINE TO | 3328194.780 | 475602.400 |
| BY STRAIGHT LINE TO | 3332182.650 | 478117.310 |
| BY ARC CENTERED AT | 3300182.310 | 522461.640 |
| TO | 3337137.810 | 482153.660 |
| BY ARC CENTERED AT | 3304106.530 | 525735.500 |
| TO | 3338662.180 | 483352.150 |
| BY ARC CENTERED AT | 3306777.090 | 527779.420 |
| TO | 3339969.760 | 484320.380 |
| BY STRAIGHT LINE TO | 3341183.900 | 485247.700 |
| BY STRAIGHT LINE TO | 3342310.160 | 485999.640 |
| BY ARC CENTERED AT | 3311945.740 | 531479.790 |
| TO | 3344961.070 | 487885.870 |
| BY STRAIGHT LINE TO | 3345445.170 | 488252.500 |
| BY ARC CENTERED AT | 3315104.830 | 533748.710 |
| TO | 3346381.780 | 488891.230 |
| BY STRAIGHT LINE TO | 3348601.610 | 490439.010 |
| BY ARC CENTERED AT | 3317324.660 | 535296.490 |
| TO | 3348789.000 | 490570.250 |
| BY STRAIGHT LINE TO | 3352514.640 | 493191.190 |
| BY ARC CENTERED AT | 3321050.300 | 537917.430 |
| TO | 3353540.970 | 493931.100 |
| BY STRAIGHT LINE TO | 3356490.310 | 496109.640 |
| BY STRAIGHT LINE TO | 3358425.620 | 497510.560 |
| BY STRAIGHT LINE TO | 3358658.460 | 497656.240 |
| BY STRAIGHT LINE TO | 3359006.390 | 497860.940 |
| BY ARC CENTERED AT | 3331276.600 | 544993.740 |
| TO | 3363039.620 | 500479.110 |
| BY STRAIGHT LINE TO | 3364052.810 | 501202.060 |
| BY STRAIGHT LINE TO | 3365123.820 | 501931.140 |
| BY ARC CENTERED AT | 3334351.130 | 547136.040 |
| TO | 3367637.520 | 503748.740 |
| BY ARC CENTERED AT | 3337714.340 | 549520.400 |
| TO | 3368482.930 | 504312.710 |
| BY STRAIGHT LINE TO | 3369268.290 | 504847.230 |
| BY ARC CENTERED AT | 3338499.700 | 550054.920 |

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|---|---|---|
| TO | 3369800.950 | 505214.390 |
| BY STRAIGHT LINE TO | 3372559.410 | 507272.000 |
| BY ARC CENTERED AT | 3338499.700 | 550054.920 |
| TO | 3373614.500 | 508133.660 |
| BY STRAIGHT LINE TO | 3376365.190 | 510437.740 |
| BY ARC CENTERED AT | 3341250.390 | 552359.000 |
| TO | 3377774.640 | 511659.850 |
| BY STRAIGHT LINE TO | 3380903.730 | 514467.960 |
| BY ARC CENTERED AT | 3344379.480 | 555167.110 |
| TO | 3384860.870 | 518401.660 |
| BY STRAIGHT LINE TO | 3385537.490 | 519146.670 |
| BY STRAIGHT LINE TO | 3386633.810 | 520042.560 |
| BY STRAIGHT LINE TO | 3388591.970 | 521628.810 |
| BY ARC CENTERED AT | 3347926.000 | 558190.000 |
| TO | 3393315.840 | 527690.750 |
| BY STRAIGHT LINE TO | 3394122.840 | 528891.750 |
| BY ARC CENTERED AT | 3348733.000 | 559391.000 |
| TO | 3399047.490 | 537969.190 |
| BY STRAIGHT LINE TO | 3399847.490 | 539848.190 |
| BY ARC CENTERED AT | 3349533.000 | 561270.000 |
| TO | 3401544.000 | 544379.250 |
| BY STRAIGHT LINE TO | 3402301.000 | 546710.250 |
| BY ARC CENTERED AT | 3350290.000 | 563601.000 |
| TO | 3404498.140 | 556395.490 |
| BY STRAIGHT LINE TO | 3404679.220 | 557757.790 |
| BY STRAIGHT LINE TO | 3405302.700 | 558362.900 |
| BY STRAIGHT LINE TO | 3407136.430 | 559951.320 |
| BY STRAIGHT LINE TO | 3409313.420 | 561569.860 |
| BY STRAIGHT LINE TO | 3413751.663 | 564517.350 |
| BY STRAIGHT LINE TO | 3416817.303 | 566362.990 |
| BY ARC CENTERED AT | 3362234.900 | 569710.060 |
| TO | 3416828.504 | 566550.958 |
| BY STRAIGHT LINE TO | 3418699.836 | 567713.079 |
| BY STRAIGHT LINE TO | 3421382.821 | 569170.219 |
| BY ARC CENTERED AT | 3395283.920 | 617225.280 |

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|---|---|---|
| TO | 3423152.926 | 570174.668 |
| BY STRAIGHT LINE TO | 3425613.944 | 571632.378 |
| BY STRAIGHT LINE TO | 3428804.780 | 573341.880 |
| BY STRAIGHT LINE TO | 3432075.460 | 575071.310 |
| BY STRAIGHT LINE TO | 3437335.520 | 577761.390 |
| BY ARC CENTERED AT | 3412435.990 | 626448.710 |
| TO | 3437610.350 | 577902.930 |
| BY STRAIGHT LINE TO | 3439337.100 | 578798.370 |
| BY ARC CENTERED AT | 3414162.740 | 627344.150 |
| TO | 3440728.600 | 579545.650 |
| BY STRAIGHT LINE TO | 3443235.460 | 580938.940 |
| BY STRAIGHT LINE TO | 3445418.780 | 582040.680 |
| BY STRAIGHT LINE TO | 3447864.630 | 583212.770 |
| BY STRAIGHT LINE TO | 3450072.100 | 584201.860 |
| BY ARC CENTERED AT | 3427711.710 | 634106.320 |
| TO | 3453214.910 | 585732.480 |
| BY STRAIGHT LINE TO | 3454433.220 | 586374.790 |
| BY STRAIGHT LINE TO | 3455501.290 | 586908.130 |
| BY ARC CENTERED AT | 3431070.770 | 635832.470 |
| TO | 3458042.990 | 588262.090 |
| BY STRAIGHT LINE TO | 3458389.230 | 588458.400 |
| BY ARC CENTERED AT | 3435900.240 | 638305.040 |
| TO | 3461841.100 | 590164.480 |
| BY STRAIGHT LINE TO | 3462462.880 | 590465.590 |
| BY ARC CENTERED AT | 3438628.430 | 639683.070 |
| TO | 3463035.280 | 590746.920 |
| BY ARC CENTERED AT | 3441833.750 | 641154.620 |
| TO | 3465438.840 | 591826.720 |
| BY STRAIGHT LINE TO | 3468650.230 | 593363.480 |
| BY ARC CENTERED AT | 3445045.140 | 642691.380 |
| TO | 3469131.740 | 593596.800 |
| BY STRAIGHT LINE TO | 3471228.450 | 594625.480 |
| BY ARC CENTERED AT | 3447141.850 | 643720.060 |
| TO | 3471362.930 | 594691.690 |
| BY STRAIGHT LINE TO | 3474132.030 | 596059.680 |

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|---|---|---|
| BY STRAIGHT LINE TO | 3475825.280 | 596817.210 |
| BY ARC CENTERED AT | 3453493.380 | 646734.420 |
| TO | 3476645.540 | 597192.330 |
| BY ARC CENTERED AT | 3456899.830 | 648187.900 |
| TO | 3482481.740 | 599855.640 |
| BY STRAIGHT LINE TO | 3484420.060 | 600717.360 |
| BY ARC CENTERED AT | 3462205.110 | 650686.730 |
| TO | 3484641.120 | 600816.230 |
| BY STRAIGHT LINE TO | 3486522.310 | 601662.550 |
| BY ARC CENTERED AT | 3464086.300 | 651533.050 |
| TO | 3487016.090 | 601887.640 |
| BY STRAIGHT LINE TO | 3491235.290 | 603836.370 |
| BY STRAIGHT LINE TO | 3496213.220 | 606059.140 |
| BY ARC CENTERED AT | 3473916.830 | 655992.220 |
| TO | 3497951.440 | 606872.170 |
| BY STRAIGHT LINE TO | 3498685.120 | 607231.160 |
| BY STRAIGHT LINE TO | 3503806.050 | 609655.650 |
| BY STRAIGHT LINE TO | 3508779.890 | 611990.260 |
| BY ARC CENTERED AT | 3485544.270 | 661493.260 |
| TO | 3511159.360 | 613178.580 |
| BY STRAIGHT LINE TO | 3511659.620 | 613443.800 |
| BY STRAIGHT LINE TO | 3512941.260 | 614091.050 |
| BY STRAIGHT LINE TO | 3515304.430 | 615170.310 |
| BY ARC CENTERED AT | 3492586.860 | 664913.190 |
| TO | 3516475.520 | 615722.000 |
| BY STRAIGHT LINE TO | 3518706.360 | 616805.360 |
| BY ARC CENTERED AT | 3494817.700 | 665996.550 |
| TO | 3520121.670 | 617518.200 |
| BY STRAIGHT LINE TO | 3521945.880 | 618470.370 |
| BY STRAIGHT LINE TO | 3526935.900 | 620807.280 |
| BY ARC CENTERED AT | 3503743.370 | 670330.490 |
| TO | 3528200.310 | 621419.350 |
| BY STRAIGHT LINE TO | 3530772.900 | 622705.720 |
| BY STRAIGHT LINE TO | 3533312.180 | 623738.220 |
| BY ARC CENTERED AT | 3512714.270 | 674395.570 |

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|---|---|---|
| TO | 3536696.410 | 625249.880 |
| BY STRAIGHT LINE TO | 3539974.040 | 626849.300 |
| BY ARC CENTERED AT | 3515991.900 | 675994.990 |
| TO | 3540926.870 | 627325.810 |
| BY STRAIGHT LINE TO | 3544631.920 | 629224.040 |
| BY ARC CENTERED AT | 3519696.950 | 677893.220 |
| TO | 3545186.710 | 629512.300 |
| BY STRAIGHT LINE TO | 3548475.960 | 631245.260 |
| BY ARC CENTERED AT | 3522986.200 | 679626.180 |
| TO | 3550505.660 | 632370.270 |
| BY STRAIGHT LINE TO | 3550910.210 | 632605.860 |
| BY STRAIGHT LINE TO | 3552928.580 | 633669.390 |
| BY STRAIGHT LINE TO | 3556148.900 | 635089.470 |
| BY ARC CENTERED AT | 3534084.260 | 685125.390 |
| TO | 3558249.890 | 636069.670 |
| BY STRAIGHT LINE TO | 3560691.670 | 637272.530 |
| BY ARC CENTERED AT | 3536526.040 | 686328.250 |
| TO | 3562430.730 | 638168.220 |
| BY STRAIGHT LINE TO | 3565992.450 | 640084.020 |
| BY STRAIGHT LINE TO | 3566333.520 | 640255.940 |
| BY STRAIGHT LINE TO | 3567170.390 | 640628.420 |
| BY STRAIGHT LINE TO | 3568719.440 | 641309.230 |
| BY ARC CENTERED AT | 3546716.500 | 691372.310 |
| TO | 3571167.010 | 642457.960 |
| BY STRAIGHT LINE TO | 3574070.960 | 643909.540 |
| BY STRAIGHT LINE TO | 3576192.050 | 644899.490 |
| BY STRAIGHT LINE TO | 3578268.450 | 645805.500 |
| BY ARC CENTERED AT | 3556398.640 | 695926.880 |
| TO | 3578815.310 | 646047.680 |
| BY STRAIGHT LINE TO | 3579057.520 | 646156.530 |
| BY STRAIGHT LINE TO | 3579114.000 | 646175.640 |
| BY ARC CENTERED AT | 3561590.160 | 697976.770 |
| TO | 3585716.140 | 648901.530 |
| BY STRAIGHT LINE TO | 3586220.680 | 649095.240 |
| BY ARC CENTERED AT | 3566620.680 | 700146.990 |

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|---|---|---|
| TO | 3587589.120 | 649641.880 |
| BY ARC CENTERED AT | 3570958.340 | 701736.500 |
| TO | 3588990.640 | 650110.260 |
| BY STRAIGHT LINE TO | 3590333.400 | 650579.270 |
| BY ARC CENTERED AT | 3579572.410 | 704194.960 |
| TO | 3593415.640 | 651291.210 |
| BY STRAIGHT LINE TO | 3593591.250 | 651337.160 |
| BY STRAIGHT LINE TO | 3594647.370 | 651526.190 |
| BY STRAIGHT LINE TO | 3595223.860 | 651628.040 |
| BY ARC CENTERED AT | 3599949.780 | 706108.380 |
| TO | 3601283.300 | 651439.710 |
| BY STRAIGHT LINE TO | 3602145.680 | 651460.750 |
| BY ARC CENTERED AT | 3603850.670 | 706119.090 |
| TO | 3604799.560 | 651442.390 |
| BY ARC CENTERED AT | 3608144.610 | 706024.920 |
| TO | 3605182.710 | 651420.260 |
| BY STRAIGHT LINE TO | 3606653.510 | 651340.480 |
| BY ARC CENTERED AT | 3609615.410 | 705945.140 |
| TO | 3607866.960 | 651288.170 |
| BY STRAIGHT LINE TO | 3609190.540 | 651245.830 |
| BY ARC CENTERED AT | 3613363.750 | 705771.290 |
| TO | 3611677.920 | 651112.350 |
| BY ARC CENTERED AT | 3623588.450 | 704484.450 |
| TO | 3621803.630 | 649828.650 |
| BY STRAIGHT LINE TO | 3622808.970 | 649795.820 |
| BY ARC CENTERED AT | 3624593.790 | 704451.620 |
| TO | 3622868.200 | 649793.920 |
| BY STRAIGHT LINE TO | 3623427.560 | 649776.260 |
| BY STRAIGHT LINE TO | 3628660.560 | 649850.580 |
| BY ARC CENTERED AT | 3627884.000 | 704530.000 |
| TO | 3632507.720 | 650040.890 |
| BY STRAIGHT LINE TO | 3634970.720 | 650249.890 |
| BY ARC CENTERED AT | 3630347.000 | 704739.000 |
| TO | 3651367.500 | 654255.540 |
| BY STRAIGHT LINE TO | 3653430.500 | 655114.540 |

BY ARC CENTERED AT    3632410.000    705598.000
TO                                3654596.266    655615.891

4. Plane coordinates refer to the Texas Coordinate Systems, South Zone or South Central Zone, as indicated. All coordinates are referenced to the North American Datum of 1927.

5. The Court retains jurisdiction to entertain such further proceedings, to enter such orders, and to issue such writs as may from time to time be deemed necessary or advisable to give proper force and effect to this decree, or to effectuate the rights of the parties.

# Non-Ambulatory Federal/State Boundaries in the Gulf of Mexico



**Legend**

— Federal/State Boundary fixed by prior Supreme Court Decrees

···· Proposed US/Texas Boundary